

Application No.: 10/518,185  
Amendment Dated: January 31, 2007  
Reply to Office Action of: October 31, 2006

MAT-8579US



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No: 10/518,185  
Applicant: Akihiko MATSUOKA, et al.  
Filed: December 16, 2004  
Title: NONLINEAR DISTORTION COMPENSATION CIRCUIT WITH  
FEEDBACK AND BASEBAND REFERENCE SIGNAL THAT ARE  
PHASE AND AMPLITUDE CONTROLLABLE (AS AMENDED)  
TC/A.U.: 2618  
Examiner: Junpeng Chen  
Confirmation No.: 5599  
Docket No.: MAT-8579US

**AMENDMENT**

***Mail Stop Amendment***

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Responsive to the Office Action dated **October 31, 2006**, please amend the above-identified application as follows:

- ☒ **Amendments to the Title** begin on page **2** of this paper.
- ☐ **Amendments to the Specification** begin on page    of this paper.
- ☒ **Amendments to the Claims** are reflected in the listing of claims which begins on page **3** of this paper.
- ☒ **Amendments to the Drawings** begin on page **8** of this paper and includes an attached replacement sheet.
- ☐ **Amendments to the Abstract** are on page    of this paper. A clean version of the Abstract is on page    of this paper.
- ☒ **Remarks/Arguments** begin on page **9** of this paper.

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**Amendment to the Title:**

Please replace the Title with the following:

TRANSMISSION DEVICE NONLINEAR DISTORTION COMPENSATION CIRCUIT  
WITH FEEDBACK AND BASEBAND REFERENCE SIGNAL THAT ARE PHASE AND  
AMPLITUDE CONTROLLABLE